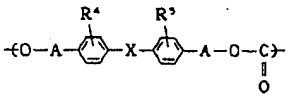
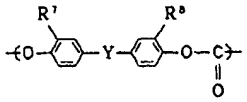


··· (II) -a



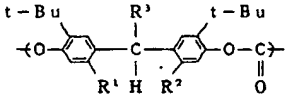
··· (II) -b

【Claims】

【Claim 1】

A polycarbonate copolymer comprising 5 to 95 mol% of the first repeating unit represented by the following formula (I) and 95 to 5 mol% of the second repeating unit to be selected from the following formulas (Ⅱ)-a and (Ⅱ)-b and having a reduced viscosity (η_{sp}/C) of at least 0.3 dl/g at 20℃ in a 0.5g/dl concentration solution used methylene chloride as a solvent, a photoelastic constant of $70\times10^{-13}cm^2/dyne$ or below and a glass transition temperature of at least 95℃;

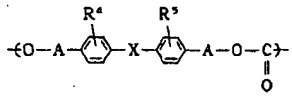
【Chemical 1】



··· (I)

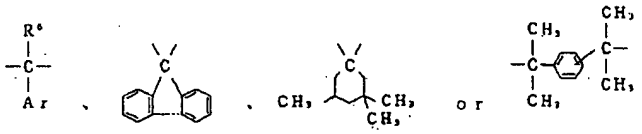
wherein R^1 and R^2, each the same or different, are a methyl group or an ethyl group and R^3 is an alkyl group of 1 to 6 carbon atoms ;

【Chemical 2】



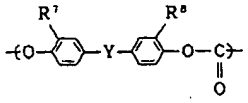
··· (II) -a

wherein R^4 and R^5, each the same or different, are a hydrogen atom, an alkyl group of 1 to 6 carbon atoms or an aryl group of 6 to 10 carbon atoms and X is ;



wherein R^6 is an alkyl group of 1 to 6 carbon atoms ; Ar is an aryl group of 6 to 10 carbon atoms and A is a single bond or an alkylene group of 2 to 4 carbon atoms ;

【Chemical 3】



··· (II) -b

wherein R^7 and R^8, each the same or different, are an alkyl group of 1 to 6 carbon atoms or an aryl group of 6 to 10 carbon atoms and Y is ;

wherein R^9 and R^{10}, each the same or different, are a hydrogen atom, an alkyl group of 6 to 10 carbon atoms or an aryl group of 6 to 10 carbon atoms.

【Claim 2】

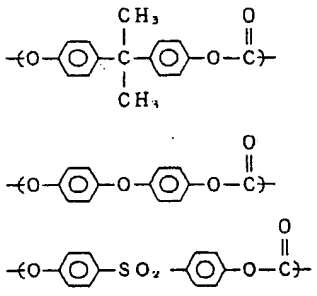
A polycarbonate copolymer according to claim 1, which comprises 15 to 75 mol% of the first repeating unit and 85 to 25 mol% of the second repeating unit recited in claim 1.

【Claim 3】

A polycarbonate copolymer comprising (1) the first repeating unit recited in claim 1, (2) the second repeating unit recited in claim 1 and (3) the third repeating unit of at least one selected from the group consisting of the following formula (Ⅲ), wherein the sum total of the first repeating unit and the second repeating unit is at least 50 mol%; the third repeating unit is 50 mol% or below and having a reduced viscosity (η_{sp}/C) of at least 0.3 dl/g at 20℃ in a 0.5g/dl concentration solution used methylene chloride as a solvent, a photoelastic constant of 70×

$10^{-13}cm^2$/dyne or below and a glass transition temperatureof at least 95℃;

【Chemical 4】



(Ⅲ)

【Claim 4】

A polycarbonate copolymer according to claim 3, wherein a ratio of the second repeating unit to the first repeating unit is represented by the following formula;

【Numerical 1】

Second repeating unit (mol%) / first repeating unit (mol%)=5/95 to 95/5.

【Claim 5】

An information transmission medium using the polycarbonate copolymer recited in claim 1 as a base material.

【Claim 6】

An information recording medium using the polycarbonate copolymer recited in claim 1 as a base material.

【Claim 7】

An information transmission medium using the polycarbonate copolymer recited in claim 3 as a base material.

【Claim 8】

An information recording medium using the polycarbonate copolymer recited in claim 3 as a base material.